

CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Specifications and Advertisement for Bids for 6,000 Feet of Insulated Copper Cable

MEETING DATE: August 2, 2000

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for 6,000 feet of #750kcmil XHHW (insulated) copper cable for the Electric Utility Department:

BACKGROUND INFORMATION: The conductor is planned for underground installation in the downtown block east of Church Street between Pine and Elm Streets. This project will provide additional capacity for Pac Bell's expansion as well as being a portion of the budgeted rebuild of the downtown underground distribution system.

FUNDING: Electric Utility Department Capital Budget, Page E-26, Fiscal Year 2000-01, Item #1 (Distribution System Improvement) 1999-2001 Financial Plan and Budget.
Estimated Cost: \$22,500

BID OPENING: August 23, 2000

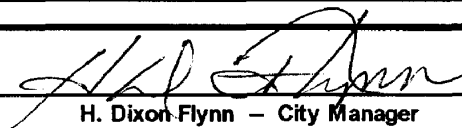


Alan N. Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer

cc: Manager, Engineering and Operations

APPROVED: _____



H. Dixon-Flynn – City Manager

EQUIPMENT SPECIFICATIONS

600-VOLT XHHW 750kcmil COPPER CABLE

GENERAL:

Cable furnished under these specifications shall be limited to cross-linked polyethylene, high-heat, moisture-resistant insulated cable rated 600 volts and suitable for installation in ducts, in wet or dry locations, with normal conductor temperatures up to 90 degrees C. Cables furnished shall meet the requirements of the applicable NEMA, ICEA, AEIC, and ASTM standards, latest edition thereof, unless otherwise noted in this specification.

CABLE:

A. CONDUCTOR:

The conductor shall be annealed (soft) copper, 61 strands.

B. INSULATION:

Conductor insulation shall be black, cross-linked polyethylene, high-heat and moisture resistant.

C. IDENTIFICATION:

Each conductor shall have a permanent marking showing the manufacturer's name, voltage rating, conductor size and type of insulation.

D. TESTING AND GUARANTEE:

Testing of cable shall be performed according to procedures set forth by the ICEA, AEIC and ASTM. Certified copies of Pass/Fail test results shall be supplied to the City of Lodi at time of shipment. Any cable found defective either upon inspection, testing or installation will be returned at the manufacturer's expense.

E. CONDITIONAL BIDS:

Any conditional bids such as "subject to availability in stock" will be rejected as non-responsive.

REELS:

A. MAKEUP:

The conductor shall be supplied on standard reels at 500 feet or 1000 feet per reel. (For purposes of this bid, 4 reels shall contain 500-foot lengths, and 4 reels shall contain 1,000-foot lengths.)

B. PACKAGING

Each reel shall have moisture-resistant protective covering across the conductor, such covering to consist of coated paperboard or plastic wrap. Each end of the cable shall be firmly secured to the reel.

C. MARKING

Each reel shall be marked with a durable label securely attached to a flange of the reel and plainly marked stating the destination, the purchaser's order number, shipping length of cable on reel, type and size of conductor, insulation type and thickness, voltage rating and manufacturer's identification number.

D. SHIPPING:

All reels shall be shipped upright on reel flanges, via flatbed truck, sideloaded only, and shipments shall be prepaid, F.O.B. 1331 South Ham Lane, Lodi, California.